Solubility Distribution of Thorium in Columbia River Sediment (SRM 4350B)

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The speciation of radionuclides in the environment dictates the solubility and transportability through time and space. Furthermore, the movement of radionuclides in the environment and the food chain ultimately impacts mankind. Leaching studies of soils and sediments provide useful information about the partitioning of the radionuclides among the various mineral phases. This work will describe the partitioning on thorium in the NIST Columbia River Sediment (SRM 4350B) and compare the results with the partitioning of strontium-90.